

ABSTRACTANTENNA ASSEMBLY

- 5 An antenna assembly is designed to operate over a wide band from around 880 MHz to around 2,500 MHz by means of a monopole antenna element (302; 402) designed to operate from around 880 MHz to around 2,500 MHz typically from the GSM bands to the Bluetooth or IEEE 802.11b band. The operation band width of the assembly is increased by the provision of a conductive member (310; 412) located on a reverse side
- 10 of the supporting substrate of the antenna. In one embodiment the conductive member is a standard panel mount SMA connector. The assembly is able to provide wireless operation in multiple frequency bands, not previously possible in a practical manner.